SEQUENCE LISTING

<110> Millennium Pharmaceuticals, Inc.
Law, Deborah Ann
Phillips, David R.

<120> Transgenic Mice Expressing Mutant GP IIIa (beta-3) Protein

<130> MPI98-148P1USM

<140> US 09/673,302
<141> 2001-03-23

<150> US 60/115,516
<151> 1998-04-15

<150> PCT/US99/08285
<151> 1999-04-15

<160> 7

<170> PatentIn Ver. 2.1

<210> 1
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of GP IIIa integrin beta-3 subunit

<220>
<221> Variant
<222> (1)...(66)
<223> Xaa = any amino acid

<220>
<221> Variant
<222> (41)...(48)
<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>
<221> Variant
<222> (56)...(66)
<223> This segment of any amino acids can be from
zero to eleven amino acids long.

<400> 1
Lys Leu Leu Leu Thr Thr His Asp Arg Lys Glu Phe Ala Lys Phe Glu
1   5   10   15

Glu Glu Arg Ala Arg Ala Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr
            20   25   30

Lys Glu Ala Thr Ser Thr Phe Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Asn Ile Thr Tyr Arg Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    50   55   60

Xaa Xaa
 65

<210> 2
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of integrin beta-6 subunit

<220>
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<220>
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Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Lys Phe Glu
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Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
            20   25   30

Arg Gly Ser Thr Ser Thr Phe Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            35   40   45

Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser Thr
      50   55   60

Asp Cys
 65

<210> 3
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<220>
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<220>

<221> Variant
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<223> This segment of any amino acids can be from
      zero to eleven amino acids long.

<400> 3
Lys Leu Leu Met Leu Ile His Asp Arg Arg Glu Glu Ala Lys Glu Glu
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Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr
            20   25   30

Lys Ser Ala Val Thr Thr Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            35   40   45

Asn Pro Lys Tyr Glu Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
       50   55   60

Xaa Xaa
 65

<210> 4
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<220>
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<220>
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<223> Xaa = any amino acid

<220>
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<223> This segment of any amino acids can be from
      zero to nine amino acids long.

<400> 4
Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu Phe Ala Lys Phe Gln
 1   5   10   15

Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr
            20   25   30

Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe
            35   40   45

Asn Lys Ser Tyr Asn Gly Thr Val Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa
       50   55   60

Xaa Xaa
 65

<210> 5
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<212> PRT

-3-

<213> Mus musculus

<220>
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<223> This segment of any amino acids can be from
      zero to eleven amino acids long.

<400> 5
Lys Ala Leu Thr His Leu Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu
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Lys Glu Lys Leu Lys Ser Gln Trp Asn Asn Asp Xaa Asn Pro Leu Phe
            20   25   30

Lys Ser Ala Thr Thr Thr Val Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Asn Pro Lys Phe Ala Glu Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    50   55   60

Xaa Xaa
 65

<210> 6
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of integrin beta-7 subunit

<220>
<221> Variant
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<220>
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<220>
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<223> This segment of any amino acids can be from
      zero to six amino acids long.

<400> 6
Arg Leu Ser Val Glu Ile Tyr Asp Arg Arg Glu Tyr Ser Arg Phe Glu
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Lys Glu Gln Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr
            20   25   30

Lys Ser Ala Ile Thr Thr Thr Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Asn Pro Arg Phe Gln Glu Ala Asp Ser Pro Thr Leu Xaa Xaa Xaa Xaa
    50   55   60

Xaa Xaa
 65

<210> 7
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Consensus
      sequence for segment of integrin beta subunits

<220>
<221> Variant
<222> (1)...(65)
<223> Xaa = any amino acid

<220>
<221> Variant
<222> (41)...(48)
<223> This segment of any amino acids can be from
      zero to eight amino acids long.

<220>
<221> Variant
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<223> This segment of any amino acids can be from
      zero to ten amino acids long.

<400> 7
Lys Leu Leu Val Xaa Ile His Asp Arg Arg Glu Phe Ala Lys Phe Glu
  1   5   10   15

Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Xaa Asn Pro Leu Tyr
            20   25   30

Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        35   40   45

Asn Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    50   55   60

Xaa
 65